

PATENT APPLICATION

Our File No.: 2003-2030.ORI

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: Nippon Shokubai Co., Ltd.

S.N.: OF EVEN DATE

Filed: OF EVEN DATE

For: Catalyst And Process For Production Of Acrylic Acid

INFORMATION DISCLOSURE STATEMENT UNDER RULE 1.56

Applicant(s) herein make available to the Patent and Trademark Office a copy of Form PTO-1449 (one form is enclosed), and a copy of each cited reference is enclosed along with any translations, partial translations, or abstracts referred to below. This Information Disclosure Statement is being filed in accordance with the following provision(s):

[X] 37 CFR 1.97(b)(1) Within three months of the filing date of the national application. No fee is required. If listed below, the following references are being submitted under this provision:

♦ All of the references.

[X] 37 CFR 1.98(a)(3)(i) A concise explanation of the relevance as it is presently understood by the individual designated in § 1.56(c) most knowledgeable about the content of the information, of each patent, publication, or other information listed that is not

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I hereby certify that this correspondence and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date October 13, 2003 in an envelope as "Express Mail Post Office to Addressee" Mailing Number ER-430-459-581-US addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Robert J. Jacobson, Reg. No. 32,419

in the English language. If listed below, the following references are being submitted under this provision with an English abstract:

- A. JP 5-96183
- C. JP 8-10621

[] 37 CFR 1.98(a)(3)(ii) A copy of the translation if a written English-language translation of a non-English-language document, or portion thereof, is within the possession, custody, or control of, or is readily available to any individual designated in § 1.56(c). If listed below, the following references are being submitted under this provision:

[X] 37 CFR 1.98(c) When the disclosures of two or more patents or publications listed in an information disclosure statement are substantively cumulative, a copy of one of the patents or publication may be submitted without copies of the other patents or publications, provided that it is stated that these other patents or publications are cumulative. If listed below, the following references are being submitted under this provision where each of the references within the following groups of references is believed to be cumulative of the other reference in said group:

- B. JP 6-279030
- B. CA 2,114,681
- D. JP 8-252464
- D. CA 2,163,834
- E. JP 8-299797
- E. EP 0 758 562
- F. JP 2001-79408
- F. EP 1 138 385

The listed documents are brought to the Examiner's attention because they are known to the applicant and/or the applicant's attorney and may be considered by the Examiner to be material to examination. This listing should not be construed as a representation that a search has been made or that no

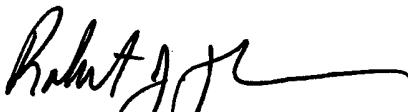
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better art exists. No inference should be made that the documents are in fact material merely because they are referenced herein. Moreover, no representation is made that any brief descriptions of the references herein necessarily describe the most material aspects of the references. Further, by this listing, the applicant is not making any admission regarding the relative dates of the invention and listed disclosures.

The Examiner is requested to consider carefully the complete text of these documents in connection with the examination of the above-identified application in accordance with 37 CFR 1.104(a). It is requested that the documents listed on the attached Form(s) PTO-1449 be included in the "References Cited" portion of any patent issuing from this application (M.P.E.P. 1302.12), and that the Examiner initial and return a copy of the form(s) to evidence consideration of the documents.

Respectfully submitted,

HAUGEN LAW FIRM PLLP



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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	OF EVEN DATE
				Filing Date	OF EVEN DATE
				First Named Inventor	Hiromi YUNOKI
				Art Unit	
				Examiner Name	
Sheet	one	of	one	Attorney Docket Number	2003-2030.ORI

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind ⁵ (if known)				
	A	JP	5-96183	A	04-20-1993	Mitsubishi Rayon Co. Ltd.		
	B	JP	6-279030	A	10-4-1994	BASF AG		
	B	CA	2,114,681	A1	08-04-1994	Tenten et al.		
	C	JP	8-10621	A	01-16-1996	Mitsubishi Rayon Co. Ltd.		
	D	JP	8-252464	A	10-01-1996	BASF AG		
	D	CA	2,163,834	A1	05-30-1996	Tenten et al.		
	E	JP	8-299797	A	11-19-1996	Nippon Kayaku Kabushiki		
	E	EP	0 758 562	A1	02-19-1997	Nippon Kayaku Kabushiki		
	F	JP	2001-79408	A	03-27-2001	Nippon Kayaku Kabushiki		
	F	EP	1 138 385	A1	10-04-2001	Nippon Kayaku Kabushiki		

Examiner Signature _____ **Date Considered** _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.